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ABSTRACT

This bibliography lists reports of research on problem solving in mathematics, with specific regard to experiments, correlations, and other regional studies. The listing supports a research integration, performed by meta-analysis at Adrian College, Michigan, in 1989-1990. Guidelines for including studies were applied as follows: (1) the study report provided correlation coefficients and their sample sizes or, in the case of experiments, sufficient data for effect-size calculations; (2) data measurements were made with validated instruments; (3) experiments used at least two independent groups for comparison purposes; and (4) each group contained at least 10 subjects (for rigor in tests of homogeneity during the data analysis). This screening resulted in 487 studies. These are listed alphabetically by author in four categories: journal articles, doctoral dissertations, ERIC documents, and other sources. (Author)

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BIBLIOGRAPHY OF RESEARCH ON PROBLEM SOLVING IN MATHEMATICS: EXPERIMENTS AND RELATIONAL STUDIES

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